



LoRaMote-RFT

LoRaWan GPS and Activity Tracker



 **LoRa™ Alliance Member**

General description

Product general description:

The LoRaMote-RFT is a compact and standalone GPS and activity tracker with LoRaWan connectivity. The device uses sensors, such as accelerometer and gyrometer, combined with embedded algorithms to specifically match your application (pedometer, vibration analysis).

Key Features:

- Geo-location by GPS
- Detection/Analysis of movement and vibrations
- Wireless battery charging (Qi protocol)
- Very low power
- Embedded analysis of sensors data
- Datalogging function (2 GB memory)



Technical specification

| PARAMETER | Min | Typ. | Max | Unit | Comments |
|---|----------------|---|--------------------|------------------------|--|
| RADIO LINK | | | | | |
| <ul style="list-style-type: none"> • Frequency • Tx Power • Rx sensitivity • Antenna • Protocol • Range | 863 | | 870 +14 -123 | MHz dBm dBm | ISM Band |
| | -137 | PCB LoRaWan Class A R1.0 >1.2km in urban area | | | Depends on DataRate |
| BATTERY LIFE | | | | | |
| One gps location transmitted every : | | | | | |
| <ul style="list-style-type: none"> • 2 minutes • 10 minutes • 1 hour | 5 27 4.5 | | 8 38 7 | days days months | Min case : no activity detection Max case : with activity detection |
| OPERATING TEMPERATURE | -20 | | +55 | °C | |
| HOUSING DIMENSIONS | | 80*40*20mm | | | Flanges fixation system in option |

Applications

- People, asset and vehicles fleet geo-location
- Safety of seniors and isolated workers
- Behaviour analysis for human or animals
- Remote diagnosis and maintenance for industrial machines (movements, vibrations, use rates)
- Theft of equipment detection